

Matching Training to Industry Needs: Industrial Energy Efficiency Education

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In 2008, FLATE, the National Science Foundation Advanced Technological Education Center of Excellence for Florida, was commissioned to partner with FESC to prepare and execute a technician workforce plan that will put that energy workforce into place on time.

Florida's award-winning A.S. Engineering Technology degree program was designed by FLATE to accommodate emerging or changing technologies as quickly as possible without having to add full two-year degree programs.

- Green job sectors are flourishing
- Interest in reducing operating costs by maximizing energy efficiency is attracting students at all education levels



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Florida Engineering Technology AS Degree

I. General Education – 15 - 18 credit hours

English Science
Math Social Science
Humanities

II. ET Core - 18 credit hours

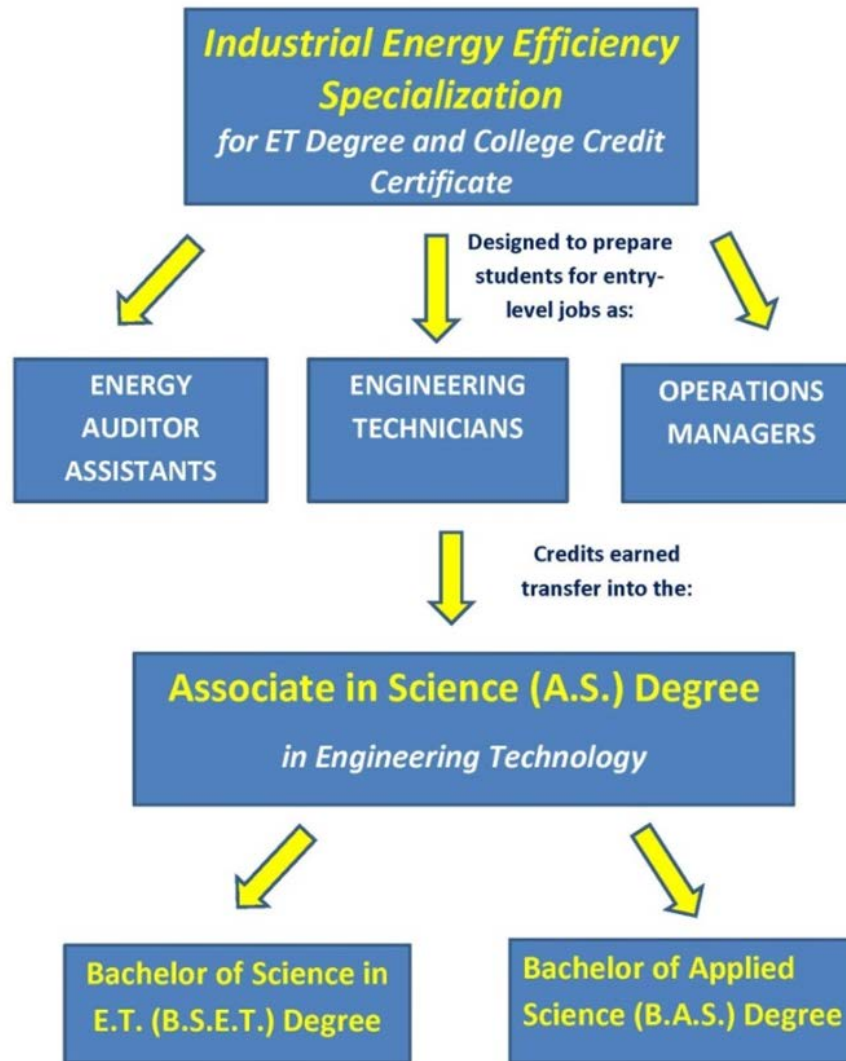
Computer Aided Design Electronics
Manufacturing Processes & Materials Quality
Mechanics & Instrumentation Safety



III. 10 Specialization Tracks: 24 to 27 credit hours

Advanced Manufacturing Mechanical Design & Fabrication
Biomedical Systems Digital Design & Modeling
Digital Manufacturing
Advanced Technology **Alternative Energy Systems**
Electronics **Industrial Energy Efficiency**

60 semester hours



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Energy Curriculum offered in the Florida State College System

A.S. Engineering Technology Degree (Manufacturing Career Cluster)

COLLEGE CREDIT CERTIFICATES	COLLEGES OFFERING
Alternative Energy Systems Specialist (CCC) 18 (Primary) or 15 (Secondary) Credits	Broward College, Eastern Florida State College, Gulf Coast State College, State College of Florida,
Industrial Energy Efficiency Specialist (CCC) 21 (Primary) or 24 (Secondary) Credits	Florida State College at Jacksonville (2014)
A.S. DEGREES	COLLEGES OFFERING
A.S. ET Alternative Energy Systems 60 credit hours	Eastern Florida State College, State College of Florida, Gulf Coast State College
A.S. ET Industrial Energy Efficiency 60 credit hours	Florida State College at Jacksonville (2014)



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